



Feature Story

Research and Exchange of Carbon Peak and Carbon Neutrality Pilot Demonstration Projects



On February 16, MGM was honored to host the "Seminar on the Research and Exchange of Carbon Peak and Carbon Neutrality Pilot Demonstration Projects". The seminar was held at MGM COTAI and was hosted by the Low Carbon Green Hotel Development Alliance, who shared the current situation and experience of green hotel development in Macau with the Urban Planning and Construction Bureau of Guangdong-Macao In-Depth Cooperation Zone in Hengqin and the research team from Guangdong University of Technology. The seminar aimed to promote the construction of Hengqin carbon neutral pilot demonstration through inspection and exchange.



At the seminar, Albert Chuck, the Executive Council Chairman of the Alliance, introduced the objectives and past activities of the establishment of the alliance to the visitors, and also showed the low-carbon development, environmental protection and energy saving measures taken by various integrated resorts in Macau through a video. The research's aim and scope were presented by Tam Wei Fong, who is the Vice Director of the Urban Planning and Construction Bureau of the Cooperation Zone. She also said that Hengqin prioritizes hotels and cultural tourism and entertainment, and plans to set up an effective Tan Pu Hui program mechanism to further advance the low-carbon development of the hotel and tourism industry in both regions and the Greater Bay Area as well.

Zeng Xue Lan, the Executive Dean of Carbon Neutrality and Green Development Collaborative Innovation Institute of Guangdong University of Technology, shared more details about the Tan Pu Hui program, its operating mechanism, application scenario and its prospects.



After the seminar, the Facilities Management team led the group through the cooling tower, boiler room, water recovery system, etc. We exchanged our experiences and ideas on low carbon development based on these examples. It was a rewarding experience for everyone involved!

On March 22, MGM participated in the "Briefing on Light Pollution Control Measures" organized by the Environmental Protection Bureau, where the updated guidelines and measurement standards were presented.

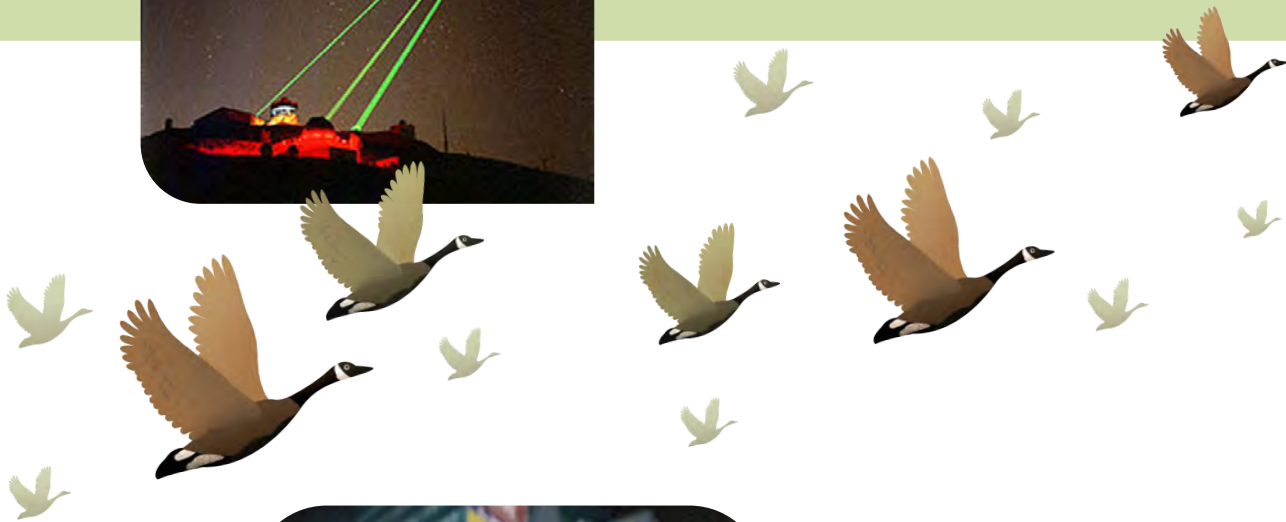
As per the latest guidelines, we have to:

- Modify the brightness and duration of decorative lighting
- Tightly regulate the lights facing the ecological conservation area



For instance:

- Avoiding laser lights that shine on the conservation area
- Banning flashing screens on signs and displays facing the conservation area from October to May, to prevent disturbing the migration of birds and other animals.



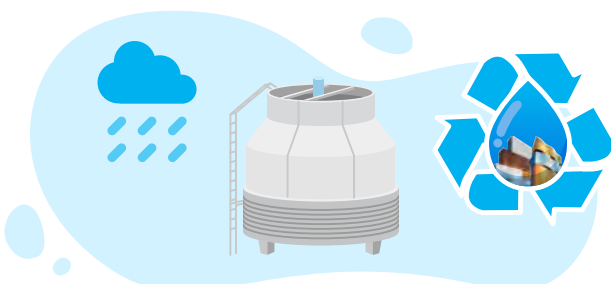
Another topic we covered was the new outdoor lighting measurement standards, which are easy to apply and can help minimize light pollution.

The “MGM Theater” at MGM COTAI is Asia's first multi-dynamic theater, and it aims to provide the best multisensory experience for our guests with every detail. The Macao Institution of Electrical and Mechanical Engineers visited the MGM Theater on January 4. Everyone watched the short film "MGM Experience" in the theater to feel the sensory experience that the theater can bring to the audience, and then we moved backstage to visit the stage facilities. The MGM Theater team explained the specifications of the facilities and shared their experience in implementing green operations. Finally, we visited the Spectacle and showcased some green building features and sustainable operating practices.



Knowledge Sharing on Water-Saving Technologies to Environmental Experts

Water conservation is at the heart of MGM' s sustainability framework. The Macao Association of Environmental Protection Industry was impressed by the water management technologies of MGM COTAI during a visit on March 2. The Facilities Management team guided them through the cooling tower, rainwater harvesting system, water recovery system and other eco-friendly facilities. They gained an understanding of how MGM is dedicated to environmental sustainability, and intend to publish their experience and insights in their magazine. We hope that the readers will be inspired to utilize every drop of water after reading our story!



To respond to the Macau Green Week, we accepted the invitation of the Municipal Affairs Bureau and nearly a hundred team members participated in the "Recovery of Forest" activity at Hac Sá Reservoir Natural Park on March 21 and March 23. This activity was to let the team members learn more about the measures to protect the forest ecosystem and improve the overall ecological benefits of the forest, such as plant selection and regular maintenance. At the same time, everyone used a variety of pruning and irrigation tools to help fertilize and weed the forest trees. While understanding nature, add a little green to Macau!



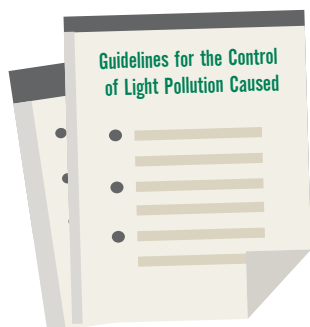
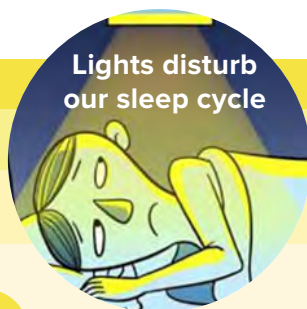
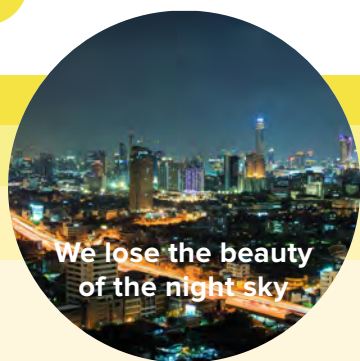
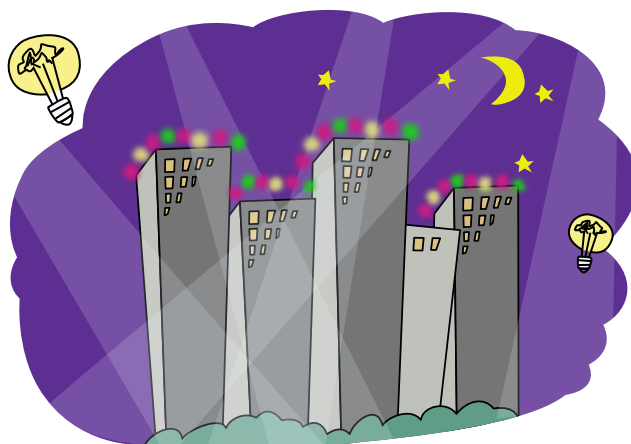
We had a great time at the "Oscar Farm Harvest Day" on March 24, organized by the Municipal Affairs Bureau. It was a great opportunity to see different crops up close and learn about their characteristics, such as how long they take to grow and what they need to flourish. The staff also guided us to pick some fresh vegetables as souvenirs. This experience was very educational and enjoyable, and we hope it will motivate our team members to adopt more eco-friendly habits and value nature!





DID YOU KNOW?

Lighting is a useful and convenient tool for our daily lives, but we should also be aware of the negative impacts of "Light Pollution" that can result from excessive or improper use of artificial light. Light pollution not only interferes with our circadian rhythm and sleep quality, but also affects our mood and social interactions, and even harms the animals and plants in nature. Here are some examples of the problems caused by light pollution, check them out!



Since 2008, Macau has established a guideline to regulate light pollution. The guideline is constantly revised to keep up with the latest technology and to make it more effective and practical. We are also committed to following the guideline and doing our part!

Spread this information with your family and friends, maybe some of them have control over one or two lights in the city. Let's encourage them to join us in controlling "Light Pollution"!

To access the 2023 edition of "Guidelines for the Control of Light Pollution Caused by Billboards, Building Decorative Lights and Outdoor Electronic Displays" by DSPA, please click [here](#). (Only available in Chinese and Portuguese).

We welcome your feedback on our sustainability performance and how we can continue to improve.
Please share your comments to sustainability@mgm.mo